

ABSTRACT

A coupling method of a coupler includes the following steps: (1) making a pair of optical fibers with different photosensitivity fused and drawn, (2) irradiating specific portions of the pair of optical fibers by intense ultraviolet light at the same time for making refractive index of the pair of optical fibers markedly different, (3) supervising coupling light energy loss spectrum and gradually adjusting the intense ultraviolet light for decreasing maximum coupling ratio and achieving an optical fiber coupler of optimum flat spectrum, thereby improving fabricating process and reducing deficient products.